

Patent Claims

1. A seal for a coke-oven door with a chamber having an upwardly closed continuous annular door frame that has an outer planar seal face, with a door body securable to the door frame, and with an annular seal element fixed on the door body and engaging the door frame when the door is closed, characterized in that a comb-shaped seal strip (1) with a seal edge (2) and slots (3) is fixed on the door body.

2. The seal according to claim 1, characterized in that the comb-shaped seal strip (1) is secured by screws (6) and retaining washers (7) on the door body.

3. The seal according to claim 1, characterized in that the comb-shaped seal strip (1) is secured by screws (8) and a retaining bar (9) on the door body.

4. A seal for a coke-oven door with a chamber having an upwardly closed continuous annular door frame that has an outer planar seal face, with a door body securable to the door frame, and with an annular seal element fixed on the door body and engaging the door frame when the door is closed, characterized in that the seal elements fit sealingly together.

5. The seal according to claim 4, characterized in that in addition to fitting sealingly together an end seal is provided.

6. The seal according to claim 4, characterized in that a flexible end seal is provided where the seal strips fit together.

7. The seal according to claim 6, characterized in that the flexible end seal is formed of two plates (15) and (16) that are connected together at their ends at round heads (17) and (18).

8. The seal according to claim 7, characterized in that a space between the seal plates (15) and (16) and the round heads (17) and (18) are provided with a filling (19).

9. The seal according to claim 8, characterized in that the filling (19) is an elastic material.

10. The seal according to claims 6 to 8, characterized in that the flexible end seal is coated with a sealing agent.

11. The seal according to claim 4, characterized in that the seal strips are fitted together at a T-part.

12. The seal according to claim 4, characterized in that the seal strips are fitted together at a double-T-part.

13. The use of the comb-shaped seal strip (1) according to claim 1 to 3 for retrofitting on and repair of an existing coke-oven door.